BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: Improvements of Anganawadi Building and Construction of Government school buildings at Attur Village in Ward No 03 of Yelahanka Satellite Town Sub Division

								Est.Cost.Rs.	10000000
Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB M200-12.3. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. MORTH Specification No. 202.(Pg No 139 ,Item No 18.19)								
	Ground floor								
	Footing(C1)	Cum	28	2	2	0.6	67.20		
	C2	Cum	11	1.5	1.5	0.45	11.14		
	Plinth Beam								
	Along long direction	Cum	2	34.45	0.3	0.45	9.30		
		Cum	9	5.5	0.3	0.45	6.68		
	Along corridor	Cum	1	31.65	0.3	0.45	4.27		
	Along short direction	Cum	2	21	0.3	0.45	5.67		
		Cum	5	5.5	0.3	0.45	3.71		
	Along corridor	Cum	1	21	0.3	0.45	2.84		
	Along long direction								
	Slab	cum	1	31.65	5.50	0.15	26.11		
	Columns(C1)	cum	14	0.60	0.30	4.05	10.21		
	C2	cum	7	0.45	0.30	4.20	3.97		
	Beams Shorter	cum	7	5.50	0.30	0.30	3.47		
	Beams Longer	cum	2	29.55	0.30	0.30	5.32		
	Corridor beam	cum	1	28.95	0.30	0.30	2.61		
	Along short direction								
	Slab	cum	1	26.5	5.5	0.15	21.86		
	Columns(C1)	cum	14	0.6	0.30	4.05	10.21		
	C2	cum	4	0.45	0.30	4.20	2.27		
	Beams Shorter	cum	5	5.5	0.30	0.3	2.48		
	Beams Longer	cum	2	24.4	0.30	0.3	4.39		
	Corridor beam	cum	1	19.5	0.30	0.3	1.76		
	Staircase(Flight)	cum	2	3.75	1.50	0.15	1.69		
	Landing	cum	1	3.15	1.00	0.15	0.47		
	Deduction								
	Staircase	Cum	-1	4	3.15	0.15	-1.89		
	Basic rate							1589.00	
	Area weightage 8%							127.12	
	Total						205.72	1716.12	353033.34
2	KSRRB M200-14.2.Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications **Dismantling brick/Tile work B. In cement mortar**. Pg No.139 Item No.18.23								
	Ground floor								
	Along short direction								
	Longer Wall	Cum	1	24.4	0.2	3.15	15.37		
		Cum	1	22.9	0.2	3.15	14.43		
	Shorter Wall	Cum	5	2.8	0.2	3.15	8.82		

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Along long direction								
	Longer Wall	Cum	1	34.45	0.2	3.15	21.70		
		Cum	1	31.30	0.2	3.15	19.72		
	Shorter Wall	Cum	7	2.8	0.2	3.15	12.35		
	Deduction								
	D1	Cum	-11	1.2	0.2	2.1	-5.54		
	W1	Cum	-20	1.5	0.2	1.5	-9.00		
	V	Cum	-5	0.60	0.20	0.75	-0.45		
	Basic rate							351.00	
	Area weightage 8%							28.08	
	Total						77.40	379.08	29339.09
3	37.51: Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms) No. KBS Pg No 270 ,Item No 37.51,								
	Ground Floor								
	Flooring								
	Along long direction								
	Class room	Sqm	6	5	4		120.00		
		Sqm	1	4	3.15		12.60		
		Sqm	1	5	4		20.00		
	Corridor	Sqm	1	37.15	1.5		55.73		
	Along short direction								
	Class room	Sqm	4	5	4		80.00		
	Corridor	Sqm	1	20.65	1.5		30.98		
	Basic rate							86.00	
	Area weightage 8%							6.88	
	Total						319.30	92.88	29656.58
4	Dismantling plastering and removing the debris with a lead upto 200m. (P.No.270, I.No. 37.50)								
	Internal plastering								
	Ground Floor								
	Class room								
	Along long direction	Sqm	20	5		3.45	345.00		
	Along short direction	Sqm	20	4		3.45	276.00		
	Toilet								
	Along long direction	Sqm	2	5		3.45	34.50		
	Along short direction	Sqm	2	4		3.45	27.60		
	Staircase wall	Sqm	2	4		3.45	27.60		
	Deduction								
	D1	Sqm	-11	1.2		2.1	-27.72		
	W1	Sqm	-20	1.5		1.5	-45.00		
	V	Sqm	-5	0.6		0.75	-2.25		
	Basic rate							37.00	
	Area weightage 8%							2.96	
	Total						635.73	39.96	25403.77
5	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	DEBRIS	Cum					343.72		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding loading & unloading					Basic rate 2.00	
	Average Weight of Debris (1.3 Tonne/cum.)	For2Kms =2x1.3x2.5						5.20	

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic rate							62.20	
	Area weightage 8%							4.98	
	Total						343.72	67.18	23089.81
6	KSRB 2.2.6 : Excavation 1.5m and above in width in hard rock by chiselling and / or wedging, where blasting is prohibited for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5 m. in depth stacking the excavated stuff clear from the edge of excavation with lead upto 50m including cost of labour complete as per specifications Pg No.6, Item No.2.8								
	Footings								
	C1	Cum	12	3.3	3.3	1.5	196.02		
	C2	Cum	16	2.7	2.7	1.5	174.96		
	CF1	Cum	1	5.38	3.5	1.5	28.22		
	CF2	Cum	1	4.3	3.1	1.5	20.00		
	SSM Footing								
	Along Long Direction	Cum	1	10	0.9	0.9	8.10		
		Cum	1	4.8	0.9	0.9	3.89		
		Cum	3	2.45	0.9	0.9	5.95		
		Cum	1	2.75	0.9	0.9	2.23		
	Along Short Direction	Cum	1	6.25	0.9	0.9	5.06		
		Cum	1	6.60	0.9	0.9	5.35		
		Cum	8	2.45	0.9	0.9	15.88		
		Cum	1	2.75	0.9	0.9	2.23		
	Corridor(along longer	Cum	1	2.45	0.9	0.9	0.00		
	Corridor(along shorter	Cum	1	1.35	0.9	0.9	0.00		
	Basic rate							2042.00	
	Area weightage 8%							163.36	
	Total						467.87	2205.36	1031832.26
7	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15								
	Footings								
	C1	Cum	12	3.3	3.3	0.05	6.53		
	C2	Cum	16	2.7	2.7	0.05	5.83		
	CF1	Cum	1	5.38	3.5	0.05	0.94		
	CF2	Cum	1	4.3	3.1	0.05	0.67		
	Basic rate							2429.00	
	Area weightage 8%							194.32	
	Total						13.97	2623.32	36655.98
8	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3								
	Footings								
	C1	Cum	12	3.3	3.3	0.15	19.60		
	C2	Cum	16	2.7	2.7	0.15	17.50		
	CF1	Cum	1	5.38	3.5	0.15	2.82		
	CF2	Cum	1	4.3	3.1	0.15	2.00		
	SSM Footing								
	Along Long Direction	Cum	1	34.3	0.9	0.15	4.63		
		Cum	1	32.5	0.9	0.15	4.39		
		Cum	3	5	0.9	0.15	2.03		
		Cum	1	5	0.9	0.15	0.68		

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
		Cum	6	1.2	0.9	0.15	0.97		
	Along Short Direction	Cum	1	19.03	0.9	0.15	2.57		
		Cum	1	35.2	0.9	0.15	4.75		
		Cum	8	5	0.9	0.15	5.40		
		Cum	1	5	0.9	0.15	0.68		
		Cum	1	2.9	0.9	0.15	0.39		
		Cum	1	2.55	0.9	0.15	0.34		
	Basic rate							5102.00	
	Area weightage 8%							408.16	
	Total						68.74	5510.16	378771.15
9	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2, Pg No. 13 Item No. 4.6								
	Above SSM								
	Along Long Direction	Cum	1	34.3	0.6	0.15	3.09		
		Cum	1	32.5	0.6	0.15	2.93		
		Cum	3	5	0.6	0.15	1.35		
		Cum	1	5	0.6	0.15	0.45		
		Cum	6	1.2	0.6	0.15	0.65		
	Along Short Direction	Cum	1	19.03	0.6	0.15	1.71		
		Cum	1	35.2	0.6	0.15	3.17		
		Cum	8	5	0.6	0.15	3.60		
		Cum	1	5	0.6	0.15	0.45		
		Cum	1	2.9	0.6	0.15	0.26		
		Cum	1	2.55	0.6	0.15	0.23		
	Plinth area	Cum	1	27.4	4.5	0.15	18.50		
		Cum	1	13	5.3	0.15	10.34		
	Basic rate							5422.00	
	Area weightage 8%							433.76	
	Total						46.71	5855.76	273526.94
10	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing completeas per specifications.KBS 5.1.13 Pg No 25 item No 5.6								
	SSM Footing								
	Along Long Direction	Cum	1	34.3	0.6	0.6	12.35		
		Cum	1	32.5	0.6	0.6	11.70		
		Cum	3	5	0.6	0.6	5.40		
		Cum	1	5	0.6	0.6	1.80		
		Cum	6	1.2	0.6	0.6	2.59		
	Along Short Direction	Cum	1	19.03	0.6	0.6	6.85		
		Cum	1	35.2	0.6	0.6	12.67		
		Cum	8	5	0.6	0.6	14.40		
		Cum	1	5	0.6	0.6	1.80		
		Cum	1	2.9	0.6	0.6	1.04		
		Cum	1	2.55	0.6	0.6	0.92		
	Basic rate							4596.00	
	Area weightage 8%							367.68	
	Total						71.52	4963.68	355017.28
11	KSRB 2.3 : Filling available excavated earth(excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10								

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Filling Available of Excavated								
	Earth Work Excavation	Cum					467.87		
	PCC for Footing	Cum					-68.74		
	Filling in foundation with granite / trap broken metal	Cum					-13.97		
	SSM Footing	Cum					-71.52		
	Footing Concrete Quantity	Cum					-156.24		
	Basic rate							201.00	
	Area weightage 8%							16.08	
	Total						157.40	217.08	34168.09
12	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	Excavated Earth	Cum					467.87		
	Filling Available of Excavated Earth						-157.40		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4	t.km	For surface roads exluding loading & unloading				Basic rate	2.00	
	Average Weight of earth	For2Kms =2x1.28x2						5.12	
	Basic rate							62.12	
	Area weightage 8%							4.97	
	Total						310.48	67.09	20829.72
13	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28								
	Footings								
	C1	Sqm	12	13.2		0.65	102.96		
	C2	Sqm	16	10.8		0.5	86.4		
	CF1	Sqm	1	17.76		0.35	6.22		
	Beam	Sqm	1	12.26		0.4	4.90		
	CF2	Sqm	1	14.8		0.3	4.44		
	Beam	Sqm	1	9.8		0.3	2.94		
	Basic rate							258.00	
	Area weightage 8%							20.64	
	Total						207.86	278.64	57918.11
14	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.31								
	Plinth beam								
	Along long direction	Sqm	4	38.1		0.45	68.58		
		Sqm	10	5.9		0.45	26.55		
	Along Short direction	Sqm	18	5.5		0.45	44.55		
		Sqm	4	20.4		0.45	36.72		
	Basic rate							358.00	
	Area weightage 8%							28.64	
	Total						176.40	386.64	68203.30

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
15	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 16, Item No 4.32								
	Column(below plinth beam)								
	C1	Sqm	12	1.5		0.65	11.70		
	C2	Sqm	16	1.5		0.8	19.20		
	CF1	Sqm							
	C1	Sqm	2	1.5		0.55	1.65		
	CF2	Sqm							
	C2	Sqm	2	1.5		0.7	2.10		
	Ground Floor								
	Column upto beam bottom								
	C1	Sqm	14	1.5		3.15	66.15		
	C2	Sqm	18	1.5		3.15	85.05		
	First Floor								
	Column upto beam bottom								
	C1	Sqm	7	1.5		3.15	33.08		
	C2	Sqm	7	1.5		3.15	33.08		
	Basic rate							456.00	
	Area weightage 8%							36.48	
	Total						252.00	492.48	124104.96
16	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2								
	Ground Floor								
	Slab(along shorter direction)	Sqm	1	21.8	7.5		163.50		
	Slab(along long direction)	Sqm	1	30.6	7.5		229.50		
	Deduction								
	Stair case	Sqm	-1	4.9	3.15		-15.44		
	First Floor								
	Slab(along shorter direction)	Sqm	1	21.8	7.5		163.50		
	Slab(along long direction)	Sqm	1	1.8	7.5		13.50		
	Deductions								
	Stair case	Sqm	-1	4.9	1.2		-5.88		
	Basic rate							400.00	
	Area weightage 8%							32.00	
	Total						548.69	432.00	237031.92
17	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. Specifications No. KBS 4.6.2, Pg No 17,Item No 4.36								
	Ground Floor								
	Slab(along short	Sqm	1	58.6		0.15	8.79		
	Slab(along long	Sqm	1	76.2		0.15	11.43		
	First Floor								
	Slab(along short	Sqm	1	58.6		0.15	8.79		
	Basic rate							755.00	
	Area weightage 8%							60.40	
	Total						29.01	815.40	23654.75
18	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34								

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Ground Floor								
	Beams								
	Along lone direction								
	B1	Sqm	2	5.9		0.3	3.54		
	B2	Sqm	4	29		0.3	34.80		
	B3	Sqm	10	7.5		0.3	22.50		
	B4	Sqm	2	9.05		0.3	5.43		
	Corridor beam(B2)	Sqm	2	30.8		0.3	18.48		
	Along Short direction								
	B3	Sqm	18	6.9		0.3	37.26		
	B2	Sqm	4	19.7		0.3	23.64		
	Corridor beam(B2)	Sqm	2	12.9		0.3	7.74		
	First Floor								
	Beams								
	Along lone direction								
	B1	Sqm	2	5.9		0.3	3.54		
	B3	Sqm	10	7.5		0.3	22.50		
	B4	Sqm	2	9.05		0.3	5.43		
	Corridor beam(B2)	Sqm	0	30.8		0.3	0.00		
	Along Short direction								
	B2	Sqm	4	19.7		0.3	23.64		
	Corridor beam(B2)	Sqm	2	12.9		0.3	7.74		
	Basic rate							292.00	
	Area weightage 8%							23.36	
	Total						216.24	315.36	68193.45
19	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 17, Item No 4.38								
	Ground Floor								
	Stair case								
	Waist slab(Flight 1)	Sqm	1	4.09	1.5		6.14		
	Waist slab(Flight 1)sides	Sqm	2	4.09		0.15	1.23		
	Waist slab(Flight 2)	Sqm	1	3.75	1.5		5.63		
	Waist slab(Flight 2)sides	Sqm	2	3.75		0.15	1.13		
	Riser	Sqm	25	1.5		0.15	5.63		
	Landing	Sqm	1	3.15	1.5		4.73		
	Landing sides	Sqm	1	3.15		0.15	0.47		
	SB1	Sqm	2	3.15		0.3	1.89		
	First Floor								
	Stair case								
	Waist slab(Flight 1)	Sqm	1	4.09	1.5		6.14		
	Waist slab(Flight 1)sides	Sqm	2	4.09		0.15	1.23		
	Waist slab(Flight 2)	Sqm	1	3.75	1.5		5.63		
	Waist slab(Flight 2)sides	Sqm	2	3.75		0.15	1.13		
	Riser	Sqm	25	1.5		0.15	5.63		
	Landing	Sqm	1	3.15	1.5		4.73		
	Landing sides	Sqm	1	3.15		0.15	0.47		
	SB1	Sqm	2	3.15		0.3	1.89		
	Basic rate							520.00	
	Area weightage 8%							41.60	
	Total						53.65	561.60	30129.28

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
20	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10								
	Footings								
	C1	Cum	12	3.3	3.3	0.65	84.94		
	C2	Cum	16	2.7	2.7	0.5	58.32		
	CF1	Cum	1	5.38	3.50	0.35	6.59		
	Beam	Cum	1	5.38	0.75	0.4	1.61		
	CF2	Cum	1	4.3	3.1	0.3	4.00		
	Beam	Cum	1	4.3	0.6	0.3	0.77		
	Column(below plinth beam)								
	C1	Cum	12	0.45	0.3	0.65	1.05		
	C2	Cum	16	0.45	0.3	0.8	1.73		
	CF1								
	C1	Cum	2	0.45	0.3	0.55	0.15		
	CF2								
	C2	Cum	2	0.45	0.3	0.7	0.19		
	Plinth beam								
	Along long direction	Cum	2	38.1	0.2	0.45	6.86		
		Cum	5	5.9	0.2	0.45	2.66		
	Along Short direction	Cum	9	5.5	0.2	0.45	4.46		
		Cum	2	20.4	0.2	0.45	3.67		
	Basic rate							5812.00	
	Area weightage 8%							464.96	
	Total						177.00	6276.96	1111009.37
21	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12								
	Ground Floor								
	Column upto beam bottom								
	C1	Cum	14	0.45	0.3	3.15	5.95		
	C2	Cum	18	0.45	0.3	3.15	7.65		
	Stair case								
	Waist slab(Flight 1)	Cum	1	4.09	1.5	0.15	0.92		
	Waist slab(Flight 2)	Cum	1	3.75	1.5	0.15	0.84		
	Landing	Cum	1	3.15	1.5	0.15	0.71		
	Riser and treads	Cum	24	1.5		0.023	0.81		
			Triangular area =0.5*0.3*0.15=0.023						
	SB1	Cum	1	3.15	0.20	0.30	0.19		
	Basic rate							6045.00	

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Area weightage 8%							483.60	
	Total						17.08	6528.60	111506.86
	First Floor								
	Column upto beam bottom								
	C1	Cum	7	0.45	0.3	3.15	2.98		
	C2	Cum	7	0.45	0.3	3.15	2.98		
	Basic rate							6045.00	
	Add lift charges for First Floor							60.00	
	sub total							6105.00	
	Area weightage 8%							488.40	
	Total						5.95	6593.40	39253.81
22	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Pg No.19 Item No.4.49.2								
	Ground Floor								
	Slab(along shorter direction)	Cum	1	21.8	7.5	0.15	24.53		
	Slab(along long direction)	Cum	1	30.6	7.5	0.15	34.43		
	Deductions								
	Stair case	Cum	-1	4.9	3.15	0.15	-2.32		
	Beams								
	Along long direction								
	B1	Cum	1	5.9	0.3	0.3	0.53		
	B2	Cum	2	29	0.2	0.3	3.48		
	B3	Cum	5	7.5	0.2	0.3	2.25		
	B4	Cum	1	9.05	0.3	0.3	0.81		
	Corridor beam(B2)	Cum	1	30.8	0.3	0.3	2.77		
	Along Short direction								
	B3	Cum	9	6.9	0.3	0.3	5.59		
	B2	Cum	2	19.7	0.3	0.3	3.55		
	Corridor beam(B2)	Cum	1	12.9	0.3	0.3	1.16		
	First Floor								
	Slab(along shorter direction)	Cum	1	21.8	7.5	0.15	24.53		
	Deductions								
	Stair case	Cum	-1	4.9	1.2	0.15	-0.88		
	Beams								
	Along long direction								
	B1	Cum	1	5.9	0.3	0.3	0.53		
	B3	Cum	5	7.5	0.2	0.3	2.25		
	B4	Cum	1	9.05	0.3	0.3	0.81		
	Along Short direction								
	B2	Cum	2	19.7	0.2	0.3	2.36		
	Corridor beam(B2)	Cum	1	12.9	0.2	0.3	0.77		
	Basic rate							5497.00	
	Area weightage 8%							439.76	
	Total						107.15	5936.76	636152.03
23	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2								
	Ground Floor								
	Isolated Footing	Cum		Concrete Quantity			143.26		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
		kg	Steel assumed 126 Kg/Cum of Concrete				18051.0		
		tonne					18.1		
	Combined Footing	Cum	Concrete Quantity				13.0		
		kg	Steel assumed 150 Kg/Cum of Concrete				1946.6		
		tonne					1.9		
	Column	Cum	Concrete Quantity				16.73		
		kg	Steel assumed 200 Kg/Cum of Concrete				3345.30		
		tonne					3.35		
	Plinth beam	Cum	Concrete Quantity				17.64		
		kg	Steel assumed 150 Kg/Cum of Concrete				2646.00		
		tonne					2.65		
	Staircase	Cum	Concrete Quantity				3.47		
		kg	Steel assumed 125 Kg/Cum of Concrete				433.97		
		tonne					0.43		
	Beam	Cum	Concrete Quantity				20.14		
		kg	Steel assumed 150 Kg/Cum of Concrete				3021.5		
		tonne					3.02		
	Roof Slab	Cum	Concrete Quantity				56.63		
		kg	Steel assumed 140 Kg/Cum of Concrete				7928.9		
		tonne					7.93		
	Basic rate							78007.00	
	Area weightage 8%							6240.56	
	Total						37.37	84247.6	3148608.98
	First Floor								
	Column	Cum	Concrete Quantity				5.95		
		kg	Steel assumed 200 Kg/Cum of Concrete				1190.70		
		tonne					1.19		
	Beam	Cum	Concrete Quantity				7.13		
		kg	Steel assumed 150 Kg/Cum of Concrete				1010.03		
		tonne					1.07		
	Roof Slab	Cum	Concrete Quantity				24.35		
		kg	Steel assumed 140 Kg/Cum of Concrete				3310.0		
		tonne					3.41		
	Basic rate							78007.00	
	Add lift charges for First Floor							748.00	

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	sub total							78755.0	
	Area weightage 8%							6300.40	
	Total								
24	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300.3. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305						5.67	85055.4	482264.12
	Along Longer direction	Cum	1	27.40	4.5	0.45	55.49		
	Corridor	Cum	1	37.50	0.9	0.45	0.00		
	Along Shorter direction	Cum	1	13.00	5.3	0.45	31.01		
	Basic Rate							325.00	
	Area weightage 8%							26.00	
	Total						86.49	351.00	30357.99
								Total Amount	8759712.92
								GST Charges (12% of estimated	1051165.55
								Preparation of DPR and Architectural ,Structural Consultation fee	87597.12
								Project management Consultancy Charges	87597.12
								Miscellaneous and Rounding off	13927.27
								Grand Total	10000000.00

Technical Sanction
Accorded For 100.00 Lakhs.
Head of A/C 3740
CER NO :.147..... Dt:17/11/2020

TA | CE (YNK)

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of 2018-2019 and approved rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

Administrative Sanction for Rs. 100.00 Lakhs
Rupees One Crore Only
is accorded under head P-3740
Development Works at Yelahanka
Registered as CE No 61 Sanctioned
to conditions contained
No. BBMP/EE/YNKD/AS/61/2020-21 dt 17-11-2020

17/11/2020